

GENERAL NOTES:

- EXISTING TOPOGRAPHIC, BOUNDARY AND UTILITY INFORMATION AS SHOWN ON THESE CONTRACT DOCUMENT(S) ARE BASED ON SURVEY PREPARED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE, AND GEOLOGY D.P.C. DATED JULY 29, 2021, UPDATED SEPTEMBER 15, 2021. EXACT UTILITY LOCATIONS ARE UNKNOWN AT THIS TIME. ELEVATIONS SHOWN ARE REFERENCED TO NAVD 88 DATUM WHICH IS 1.25 FEET ABOVE NAVD 29 DATUM AND 3.43 FEET BELOW US ARMY CORP OF ENGINEERS DATUM. ACTUAL SITE CONDITIONS MAY VARY FROM THOSE ENCOUNTERED AT THE TIME THE SURVEY DATA SHOWN HEREON WAS OBTAINED.
2. LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE, AND GEOLOGY D.P.C. CANNOT AND DOES NOT REPRESENT THE ACCURACY OF THE UTILITY INFORMATION SHOWN ON THE REFERENCED PLAN. LANGAN DOES NOT REPRESENT THAT THE UNDERGROUND UTILITIES SHOWN HEREON ARE IN SERVICE, ABANDONED, SUITABLE FOR USE OR ARE OF THE EXACT TYPE, SIZE, LOCATION (HORIZONTAL AND VERTICAL) OR CONFIGURATION INDICATED HEREON, NOR COMPRISE ALL THE UTILITIES WITHIN THE SUBJECT AREA.
3. THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL ASSESS CONDITIONS, AND THE KIND, QUALITY AND QUANTITY OF WORK REQUIRED. THE CONTRACTOR SHALL MAKE A THOROUGH SITE INSPECTION IN ORDER TO FIELD VERIFY EXISTING SITE CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS AND RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY (WATER, SEWER, GAS, ELECTRIC, TELEPHONE, CABLE, ELECTRIC AND COMMUNICATIONS, ETC.) LOCATIONS, TYPES, INVERTS AND CONDITIONS PRIOR TO CONSTRUCTION. ANY CONDITIONS FOUND TO DIFFER FROM THOSE SHOWN ON THE DRAWINGS AND REQUIRING MODIFICATIONS TO THE SITE DESIGN SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE CONSTRUCTION. DIFFERING UTILITY CONDITIONS THAT ARE ENCOUNTERED BY THE CONTRACTOR, THAT REQUIRE MODIFICATION OF SITE DESIGN AND THAT ARE NOT BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SHALL NOT BE CONSIDERED GROUNDS FOR ADDITIONAL PAYMENT OR CHANGES TO THE CONTRACT DURATION, OR ANY OTHER CLAIMS AGAINST THE OWNER OR OWNER'S ENGINEER.
4. THE OWNER MAKES NO GUARANTEE IN REGARD TO THE ACCURACY OF ANY AVAILABLE INFORMATION WHICH WAS OBTAINED DURING INVESTIGATIONS. THE CONTRACTOR SHALL MAKE ADDITIONAL TOPOGRAPHIC SURVEYS HE DEEMS NECESSARY, PROVIDED THEY ARE COORDINATED WITH THE OWNER. ANY FAILURE OF THE CONTRACTOR TO GIVE WRITTEN NOTICE TO THE OWNER OF CONDITIONS THAT DIFFER FROM THE INFORMATION SHOWN ON THE DRAWINGS WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR ESTIMATING PROPERLY THE DIFFICULTY AND COST OF SUCCESSFULLY PERFORMING THE WORK, OR FOR PROCEEDING TO SUCCESSFULLY PERFORM THE WORK WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
5. THE CONTRACTOR SHALL, WHEN HE/SHE DEEMS NECESSARY, PROVIDE A WRITTEN REQUEST FOR INFORMATION (RFI) TO THE OWNER AND/OR OWNER'S DESIGNATED REPRESENTATIVE, AND ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITEWORK ITEM. THE (RFI) SHALL BE IN A FORM ACCEPTABLE TO OWNER AND/OR OWNER'S DESIGNATED REPRESENTATIVE, AND ENGINEER AND SHALL ALLOW FOR A MINIMUM OF FIVE WORK DAYS FOR A WRITTEN REPLY. RFIS SHALL BE NUMBERED CONSECUTIVELY BY DATE SUBMITTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITEWORK ITEMS CONSTRUCTED DIFFERENTLY THAN INTENDED OR AS DEPICTED ON THE PLANS.
6. THE CONTRACTOR SHALL FURNISH, INSTALL, TEST AND COMPLETE ALL WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION; AS SUCH, THESE PLANS DO NOT COMPLETELY REPRESENT, NOR ARE THEY INTENDED TO REPRESENT, ALL SPECIFIC INSTRUCTIONS REQUIRED FOR SITEWORK CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO CONSTRUCT ALL IMPROVEMENTS DEPICTED ON THESE PLANS IN ACCORDANCE WITH ALL APPLICABLE RULES, REGULATIONS AND LAWS IN EFFECT AT THE TIME OF CONSTRUCTION.
7. INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUFFICIENTLY REVIEW ALL PLANS, PROFILES AND ANY OTHER INFORMATION IN THE CONTRACT DOCUMENTS FOR CONSISTENCY PRIOR TO BID. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND BY THE CONTRACTOR OR HIS ASSIGNS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER IN WRITING, IN THE FORMAT OF AN RFI PRIOR TO BID.
8. CONTRACTOR IS RESPONSIBLE TO INVESTIGATE, IDENTIFY, AND RELOCATE ANY EXISTING UTILITIES CONFLICTING WITH THE PROPOSED WORK. ALL EXISTING SUBSURFACE UTILITIES WITHIN THE LIMIT OF WORK SHALL REMAIN UNLESS REMOVAL OF THE SAME IS SPECIFICALLY NOTED ON THE SITE REMOVALS PLAN. IF ABANDONED PIPES ARE ENCOUNTERED DURING EXCAVATION, THE CONTRACTOR SHALL REMOVE THE PIPE IN THE AREA OF EXCAVATION AND PLUG AT EACH END OF THE EXCAVATION. CONTRACTOR SHALL ENSURE THAT THE PIPE IS ABANDONED BEFORE ATTEMPTING THIS OPERATION.
9. THE CONTRACTOR SHALL PROTECT FROM DAMAGE ALL EXISTING IMPROVEMENTS AND UTILITIES AT OR NEAR THE WORK SITE AND ON ADJACENT PROPERTY OF A THIRD PARTY, THE LOCATIONS OF WHICH ARE MADE KNOWN TO OR SHOULD BE KNOWN BY THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO THOSE FACILITIES, INCLUDING THOSE THAT ARE THE PROPERTY OF A THIRD PARTY, RESULTING FROM FAILURE TO EXERCISE REASONABLE CARE IN PERFORMING THE WORK. IF THE CONTRACTOR FAILS OR REFUSES TO REPAIR THE DAMAGE PROMPTLY, THE OWNER MAY HAVE THE WORK PERFORMED AND CHARGE THE COST TO THE CONTRACTOR.
10. CONTRACTOR IS SPECIFICALLY CAUTIONED THAT ALL CONSTRUCTION STAKEOUT FOR THIS PROJECT MUST BE COMPLETED FROM THE SITE SPECIFIC SURVEY CONTROL (HORIZONTAL AND VERTICAL) UPON WHICH THE DESIGN IS BASED. THE CONTRACTOR SHOULD NOT RELY ON RE-ESTABLISH SURVEY CONTROL BY GPS OR OTHER METHODS FOR USE IN CONSTRUCTION STAKEOUT OR ANY OTHER PURPOSE FOR THIS PROJECT. ANY DISCREPANCIES BETWEEN THE EXISTING HORIZONTAL OR VERTICAL DATA SHOWN ON THESE DRAWINGS AND THAT ENCOUNTERED IN THE FIELD MUST BE REPORTED TO THE DESIGN TEAM PRIOR TO CONSTRUCTION FOR RESOLUTION.
11. THE CONTRACTOR SHALL, WITHOUT ADDITIONAL EXPENSE TO THE OWNER, BE RESPONSIBLE FOR OBTAINING ANY NECESSARY LICENSES AND PERMITS, AND FOR COMPLYING WITH ANY FEDERAL, STATE, AND MUNICIPAL LAWS, CODES, AND REGULATIONS INCLUDING OSHA REQUIREMENTS APPLICABLE TO THE PERFORMANCE OF THE WORK.
12. WHERE NEW CONSTRUCTION ABUTS EXISTING PAVEMENTS, CURBS, OR WALLS, THE EXISTING MATERIALS SHALL BE CLEANLY SAW-CUT TO PROVIDE A CLEAN, NEAT MATCH AND A SMOOTH, FLUSH TRANSITION.
13. THE CONTRACTOR SHALL REPLACE ANY EXISTING CURBS, FENCING, PAVEMENTS, OR OTHER SITE IMPROVEMENTS THAT WERE INTENDED TO REMAIN BUT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION. IF REPLACEMENT IS NECESSARY, IT SHALL BE DONE AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE OWNER.
14. THE CONTRACTOR SHALL DISPOSE OF ALL ITEMS AND MATERIALS REMOVED AND NOT SALVAGED, INCLUDING ALL EXCAVATED MATERIAL, OFF-SITE AND IN A LEGAL MANNER.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVISION OF SHORING, BRACING, AND DEWATERING IF EXISTING CONDITIONS WARRANT SUCH. WORK SHALL BE PERFORMED IN ACCORDANCE WITH OSHA REQUIREMENTS.
16. THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET AS WELL AS REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL THESE DOCUMENTS.
17. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE UNITED STATES ARMY GARRISON ENGINEERING PLANNING STANDARD RULES, REGULATIONS AND REQUIREMENTS.

EROSION AND SEDIMENT CONTROL NOTES:

I. GENERAL:

- THE SITE CONTRACTOR AND BUILDING CONTRACTOR SHALL DENOTE ON A PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
2. SITE CONTRACTOR IS TO IDENTIFY AREAS, INSIDE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.
3. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCE IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. ONLY USE EGRESS LOCATIONS AS PROVIDED. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
4. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED. NO WASH WATER SHALL BE DISPOSED OF IN THE SEWER WITHOUT A DEP PERMIT AND ANY REQUIRED DEP TREATMENT.
5. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLotation BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
6. RUBBISH, TRASH GARBAGE, LITTER OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
7. ALL STORMWATER POLLUTION PREVENTION MEASURES PRESENTED ON THE EROSION AND SEDIMENT CONTROL PLAN SHALL BE INITIATED AS SOON AS PRACTICABLE.
8. ALL DENUDED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE, MUST BE STABILIZED TEMPORARILY WITH THE USE OF FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES, STRAW/HAY MULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING OR BLANKETS.
9. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THESE PLANS. THESE AREAS SHALL BE SEEDED, SODDED, AND/OR VEGETATED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.
10. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
11. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION AND POLLUTANT DISCHARGE.
12. SITE CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH EROSION CONTROL SEQUENCING SHOWN ON THESE PLANS. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.
- II. PLANNED EROSION AND SEDIMENT CONTROL PRACTICES:
1. THE SITE CONTRACTOR IS REQUIRED TO DEVELOP AND INSTALL SOIL EROSION AND SEDIMENT CONTROL MEASURES PER CONTRACT DRAWINGS AND SPECIFICATIONS. THE BUILDING CONTRACTOR TO REPAIR/REPLACE ANY EROSION CONTROL MEASURES THAT THEY DAMAGE. THE SITE CONTRACTOR WILL CONTINUE TO MAINTAIN/MONITOR EROSION CONTROL MEASURES FOR THE FULL DURATION OF THE PROJECT.
2. SILT FENCE: WILL BE INSTALLED ALONG THE PROPOSED LIMIT OF DISTURBANCE AREAS AS SHOWN AND ALSO AROUND ANY STOCKPILE AREAS.
3. STABILIZED CONSTRUCTION ENTRANCE: ROCK CONSTRUCTION ENTRANCES WILL BE INSTALLED AND MAINTAINED AT THE ENTRANCES OF THE SITE.
4. DUST CONTROL: SHOULD EXCESSIVE DUST BE GENERATED, IT SHALL BE CONTROLLED BY WATER SPRINKLING.
5. DEWATERING: DEP AND DEC APPROVED DEWATERING PRACTICES WILL BE USED TO PREVENT PONDING OF WATER DURING CONSTRUCTION. CONTRACTOR TO OBTAIN PERMITS AS REQUIRED.
6. INLET PROTECTION: INLET PROTECTION WILL BE USED AT DRAINAGE INLETS WITHIN AND AROUND THE PROJECT LIMITS OF THE SITE.
7. STORMWATER RUN-OFF: SITE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF STORMWATER RUN-OFF DURING CONSTRUCTION TO AN ON-SITE STORMWATER FILTRATION AND/OR DRAINAGE SYSTEM.
8. CONTRACTOR TO PROVIDE AND PROTECT TEMPORARY STOCKPILES AS NEEDED. PVC SHEETING SHALL BE MIN OF 10 MM THICK. SILT FENCE SHALL BE PLACED AROUND THE BASE OF ANY STOCKPILES.
- III. MAINTENANCE NOTES:
1. THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND MAINTENANCE OF ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AND RELATED ITEMS INCLUDED WITHIN THE EROSION AND SEDIMENT CONTROL PLAN. THE SITE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND STABILIZATION OF PERMANENT CONTROL MEASURES AND RELATED ITEMS INCLUDED WITHIN THE EROSION AND SEDIMENT CONTROL PLAN THROUGH COMPLETION OF CONSTRUCTION.
2. ALL EROSION AND SEDIMENT CONTROLS SHALL REMAIN IN PLACE UNTIL THE TRIBUTARY AREA TO THE CONTROL IS COMPLETELY STABILIZED AT THE END OF THE SITE AND LANDSCAPING WORK. ALL CONTROLS SHALL BE CHECKED DAILY AND AFTER STORM EVENTS TO ENSURE THEY ARE IN PROPER WORKING ORDER.
3. SEDIMENT REMOVED FROM ANY TEMPORARY CONTROL MEASURE DURING REGULAR MAINTENANCE MAY BE INCORPORATED BACK INTO THE EARTHWORK AS FILL ON THE SITE IF APPROVED BY THE ENGINEER. SEDIMENT THAT IS NOT APPROVED FOR FILL MUST BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND GUIDELINES.
4. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE A WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES DURING A SPECIFIC CONSTRUCTION STAGE.
5. SEDIMENT WILL BE REMOVED FROM BEHIND THE SILT FENCE WHEN ACCUMULATION IS APPROXIMATELY 6 INCHES AT THE FENCE, OR WHEN BULGES DEVELOP IN THE FENCE. THE SILT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.
6. THE STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
7. IN ADDITION TO IMPLEMENTATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES FOR ONGOING ACTIVE CONSTRUCTION ACTIVITY, THE SITE CONTRACTOR SHALL INITIATE STABILIZATION MEASURES AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED BUT IN NO CASE NO MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAD TEMPORARILY OR PERMANENTLY CEASED.

UTILITY NOTES:

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, DIGSAFE, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES AND MUST CALL FOR UTILITY TONE OUT USING THE "ONE-CALL" SERVICE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS IN A MANNER WHICH WILL NOT NEGATIVELY AFFECT ANY EXISTING USERS OF THESE UTILITIES. THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THE PLANS IS BASED ON INFORMATION AVAILABLE WHEN THESE PLANS WERE PREPARED. EXACT LOCATIONS SHALL BE CONFIRMED IN THE FIELD AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.
2. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND MECHANICAL AND PLUMBING ENGINEER'S PLANS AND SPECIFICATIONS FOR LOCATIONS OF ALL UTILITY ENTRANCES INCLUDING BUT NOT LIMITED TO SANITARY SEWER, LATERALS, STORM SEWER, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ELECTRICAL, TELEPHONE, CABLE AND GAS SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS AND LOCATIONS ARE ACHIEVED AS WELL AS COORDINATING WITH THE UTILITY AGENCIES AND WEST POINT DIRECTORATE OF PUBLIC WORKS FOR APPROVAL OF UTILITY LOCATIONS AND SCHEDULING OF CONNECTIONS TO THEIR FACILITIES.
3. ALL PROPOSED GAS WORK SHALL BE IN CONFORMANCE WITH APPLICABLE LOCAL COUNTY, STATE AND FEDERAL GUIDELINES AND REQUIREMENTS. AT THE DIRECTION OF OWNERSHIP, THE GAS LINE WILL BE RELOCATED UNDER THE LOADING DOCK. REPAIR OR REPLACEMENT OF THE GAS LINE IN THE FUTURE MAY REQUIRE PARTIAL REMOVAL OF THE LOADING DOCK.
4. MIN. DEPTH OF COVER OVER ELECTRIC, GAS, AND CABLE SERVICES SHALL BE TWO (2) FT OR AS REQUIRED BY UTILITY OWNER.
5. ALL UTILITIES SHALL BE CONSTRUCTED UNDERGROUND EXCEPT WHERE OTHERWISE DELINEATED ON PLAN.
6. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE UNITED STATES ARMY GARRISON ENGINEERING PLANNING STANDARD RULES, REGULATIONS AND REQUIREMENTS.
7. THE CONTRACTOR SHALL SCHEDULE AND COORDINATE HIS OPERATIONS WITH THE VARIOUS COMPANIES OR AGENCIES WHOSE INTERESTS ARE AFFECTED BY THIS PROJECT.

STORM SEWER NOTES:

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, UTILITY LOCATIONS AND INVERTS PRIOR TO CONSTRUCTION. ANY CONDITION FOUND TO DIFFER FROM THOSE SHOWN ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
2. LENGTHS OF STORM DRAINAGE PIPES SHOWN HEREON ARE MEASURED CENTER TO CENTER OF STRUCTURE.
3. APPROVED BACKFILL FOR PIPE TRENCHES SHALL BE PLACED IN MAXIMUM SIX TO EIGHT INCH LAYERS AND COMPACTED TO A MINIMUM DENSITY OF 95% OF MAXIMUM DRY DENSITY AIN ACCORDANCE WITH ASTM D1557, AND PROJECT SPECIFICATIONS. CARE SHOULD BE TAKEN TO FILL VOIDS AROUND THE PIPE. BACKFILL SHALL CONSIST OF GRANULAR SOIL FROM FREE LUMPS, LARGE STONES, BOULDERS OR OTHER UNSUITABLE MATERIALS.
4. ALL EXISTING AND PROPOSED UTILITY FRAMES, GRATES, MANHOLE COVERS, CLEANOUTS, VALVE BOXES, ETC. TO BE INSTALLED FLUSH WITH THE PROPOSED SURFACE ELEVATIONS WITHIN THE LIMITS OF CONSTRUCTION.

GRADING AND DRAINAGE NOTES:

3. ALL EXISTING STRUCTURES, (UNLESS OTHERWISE NOTED TO REMAIN.) FENCING, TREES, ETC., WITH CONSTRUCTION AREA SHALL BE REMOVED & DISPOSED OF OFF SITE. ANY BURNING ON SITE SHALL BE SUBJECT TO LOCAL ORDINANCES.
2. ALL DRAINAGE STRUCTURES SHALL BE PRECAST.
3. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY.
4. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
5. GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY AND LOCATE ALL UTILITIES PRIOR TO START OF GRADING.
6. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
7. IMMEDIATELY APPLY & COMPACT STONE BASE FOR BUILDING PAD TO +/- 1/2" PRIOR TO EXCAVATING INTERIOR & PERIMETER FOOTINGS.
8. ABBREVIATIONS
INV = INVERT
LF = LINEAR FEET
GR = GRATE ELEVATION
RIM = RIM ELEVATION
MH = MANHOLE
CB = CATCH BASIN
X:X SLOPE = HORIZONTAL:VERTICAL SLOPE
9. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND MEP PLANS AND SPECIFICATIONS FOR ACTUAL LOCATIONS AND SIZES OF ALL ROOF LEADERS AND COORDINATE WITH PROPOSED STORMWATER SYSTEM PRIOR TO INSTALLATION.
10. ALL ROOF DRAINS TO BUILDING SHALL BE BROUGHT TO FIVE FEET OUTSIDE THE BUILDING LIMITS AND SHALL BE PROVIDED WITH A TEMPORARY PLUG AT THE END.
11. CLEANOUTS SHALL BE PROVIDED FLUSH AT ALL LOCATIONS OF ROOF DRAIN INTERSECTIONS, BENDS AND UPSTREAM ENDS.
12. PROPOSED STORM DRAINAGE PIPING SHALL BE TEMPORARILY PROTECTED WITH A MINIMUM OF TWO FEET OF COVER DURING CONSTRUCTION.
13. CONSTRUCTION OF STORMWATER MANAGEMENT PRACTICES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE SPECIFICATIONS/STANDARDS OF APPENDIX C OF THE NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUAL.
14. MAINTENANCE PATHS STEEPER THAN 5% SLOPE TO BE CONSTRUCTED OF 6-INCH BASE LAYER OF NYSDOT SUBBASE TYPES 1, 2, 3, 4 OR EQUIVALENT. MATERIAL MAY CONSIST OF WELL GRADED STONE, CLEAN RECLAIMED CONCRETE, OR RAP. ON SLOPES 10% OR STEEPER, INCLUDE GEOTEXTILE FABRIC. PLEASE PROVIDE SHOP DRAWINGS FOR REVIEW.
- 1.1: SLOPED VEGETATED WALL WITH PLANTED SOIL REINFORCEMENT REQUIRED WITH GREENLOXX SYSTEM AS MANUFACTURED BY FILTREXX SUSTAINABLE TECHNOLOGIES, 61 N CLEVELAND MASSILLON RD, SUITE E, AKRON, OH 44333; P: 877-542-7699, OR APPROVED EQUAL.

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It is a violation of New York State Law for any person, unless he is acting under the direction of a licensed Professional Engineer or Land Surveyor, to alter an item in any way. If an item bearing the seal of an Engineer or Land Surveyor is altered, the altering Engineer or Land Surveyor shall affix to the item his seal and the notation "altered by" followed by his signature and the date of such alteration, and a specific description of the alteration.

General Notes

1. All dimensions and existing conditions shall be checked and verified by contractor at the site prior to proceeding with the work.
2. Contractor shall inform Architect/ Engineer of any discrepancies on drawings before construction begins.
3. No existing service may be cut without Architect/Engineers's consent. Any existing service severed or damaged shall be replaced at no cost to owner.
4. Contractor must notify Architect/ Engineer at once if hidden existing conditions encountered require design modifications.

Issue	Issued For	Date
0	Bid and Permit	07-06-202

PRELIMINARY
Not For Construction

Key Plan

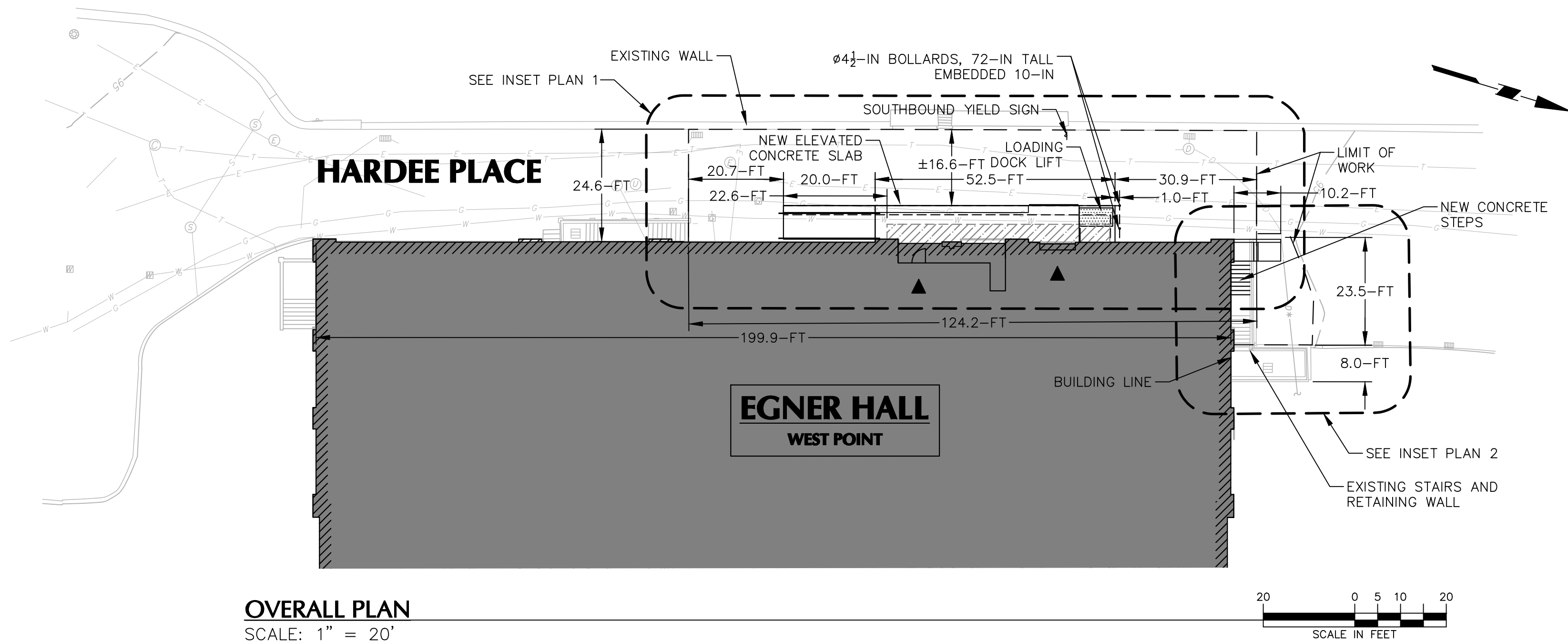
**EGNER HALL
BUILDING 685**

U.S. MILITARY ACADEMY
West Point, New York

Project No.: 11300
Date: July 6, 2022

Drawing Title
Civil Notes

C001



LEGEND	
	LIMIT OF WORK
	BUILDING LINE
	PROPOSED SPOT ELEVATION
	PROPOSED TOP OF WALL ELEVATION PROPOSED BOTTOM OF WALL ELEVATION
	PROPOSED BOTTOM OF WALL ELEVATION
	PROPOSED TOP OF CURB ELEVATION PROPOSED BOTTOM OF CURB ELEVATION
	PROPOSED ELEVATION MEETS EXISTING ELEVATION
	EXISTING DRAIN
	LOADING DOCK LIFT
	PROPOSED DRAIN
	REMOVALS LINE
	REMOVALS HATCH
	GAS LINE
	WATER LINE
	STORM SEWER LINE

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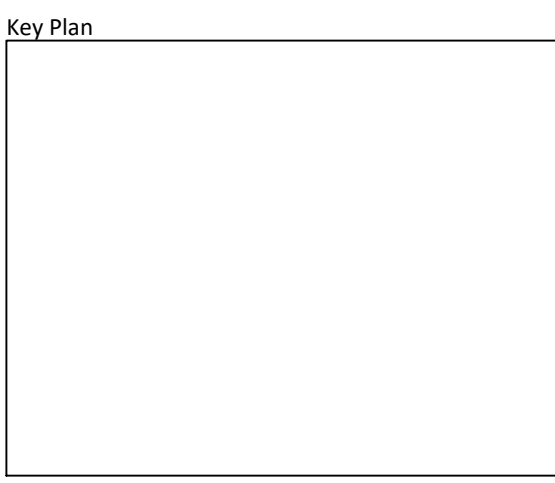
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Issue	Issued For	Date
0	Bid and Permit	07-06-2022

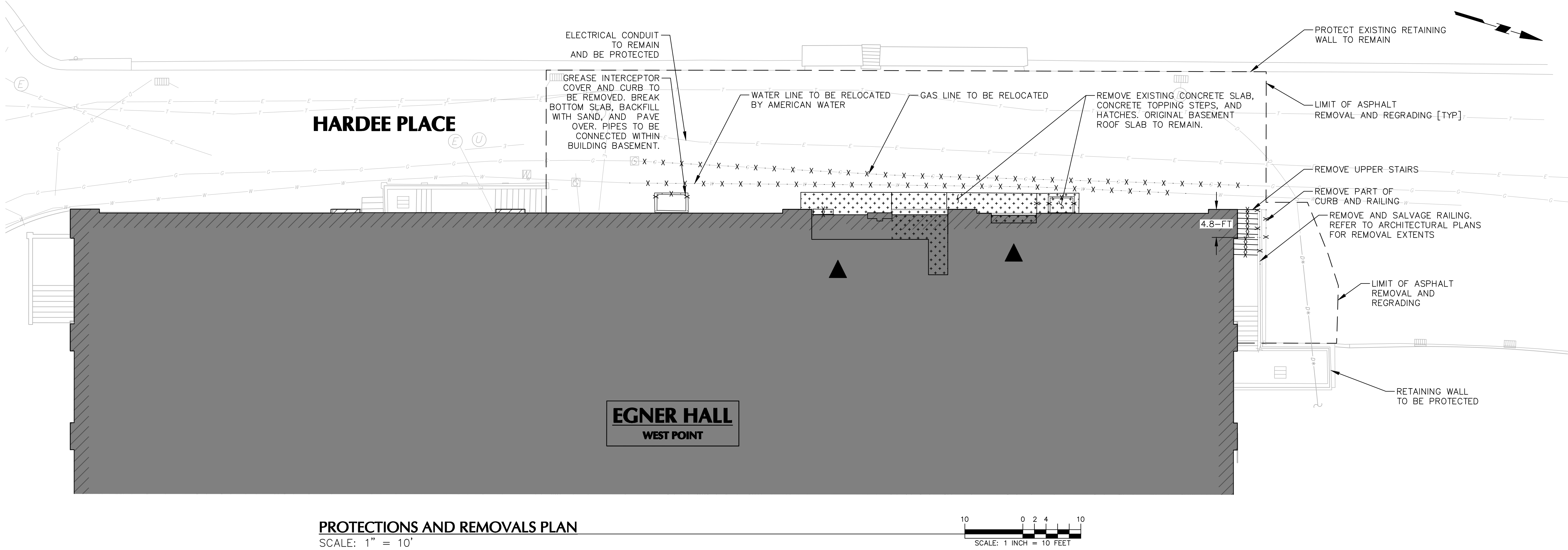
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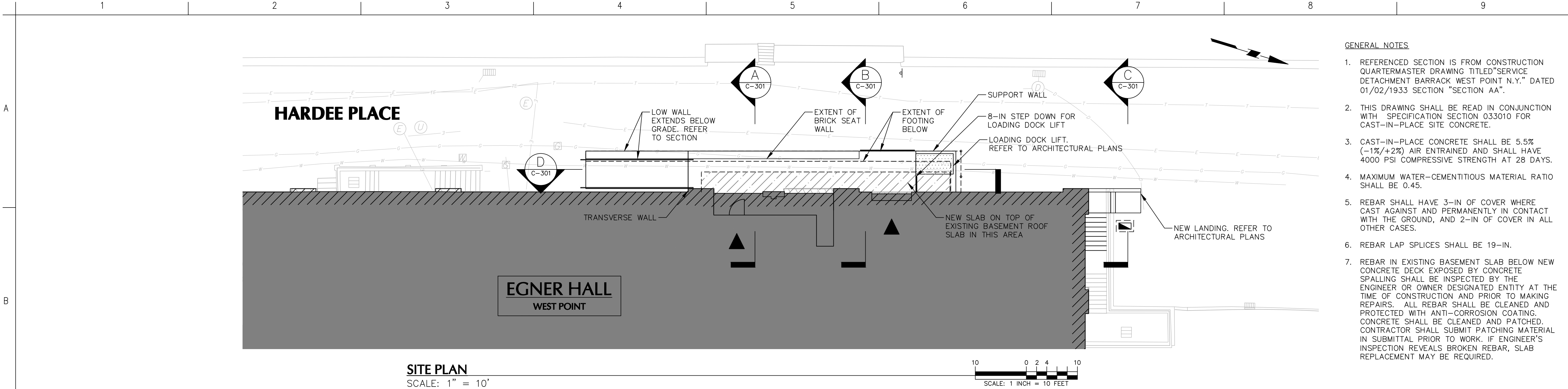


EGNER HALL
BUILDING 685
U.S. MILITARY ACADEMY
West Point, New York

Project No.: 11300
Date: July 6, 2022

Drawing Title:
Overall and Removals Plan





- GENERAL NOTES**
1. REFERENCED SECTION IS FROM CONSTRUCTION QUARTERMASTER DRAWING TITLED "SERVICE DETACHMENT BARRACK WEST POINT N.Y." DATED 01/02/1933 SECTION "SECTION AA".
 2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SPECIFICATION SECTION 033010 FOR CAST-IN-PLACE SITE CONCRETE.
 3. CAST-IN-PLACE CONCRETE SHALL BE 5.5% (-1%/+2%) AIR ENTRAINED AND SHALL HAVE 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
 4. MAXIMUM WATER-CEMENTITIOUS MATERIAL RATIO SHALL BE 0.45.
 5. REBAR SHALL HAVE 3-IN OF COVER WHERE CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE GROUND, AND 2-IN OF COVER IN ALL OTHER CASES.
 6. REBAR LAP SPLICES SHALL BE 19-IN.
 7. REBAR IN EXISTING BASEMENT SLAB BELOW NEW CONCRETE DECK EXPOSED BY CONCRETE SPALLING SHALL BE INSPECTED BY THE ENGINEER OR OWNER DESIGNATED ENTITY AT THE TIME OF CONSTRUCTION AND PRIOR TO MAKING REPAIRS. ALL REBAR SHALL BE CLEANED AND PROTECTED WITH ANTI-CORROSION COATING. CONCRETE SHALL BE CLEANED AND PATCHED. CONTRACTOR SHALL SUBMIT PATCHING MATERIAL IN SUBMITTAL PRIOR TO WORK. IF ENGINEER'S INSPECTION REVEALS BROKEN REBAR, SLAB REPLACEMENT MAY BE REQUIRED.

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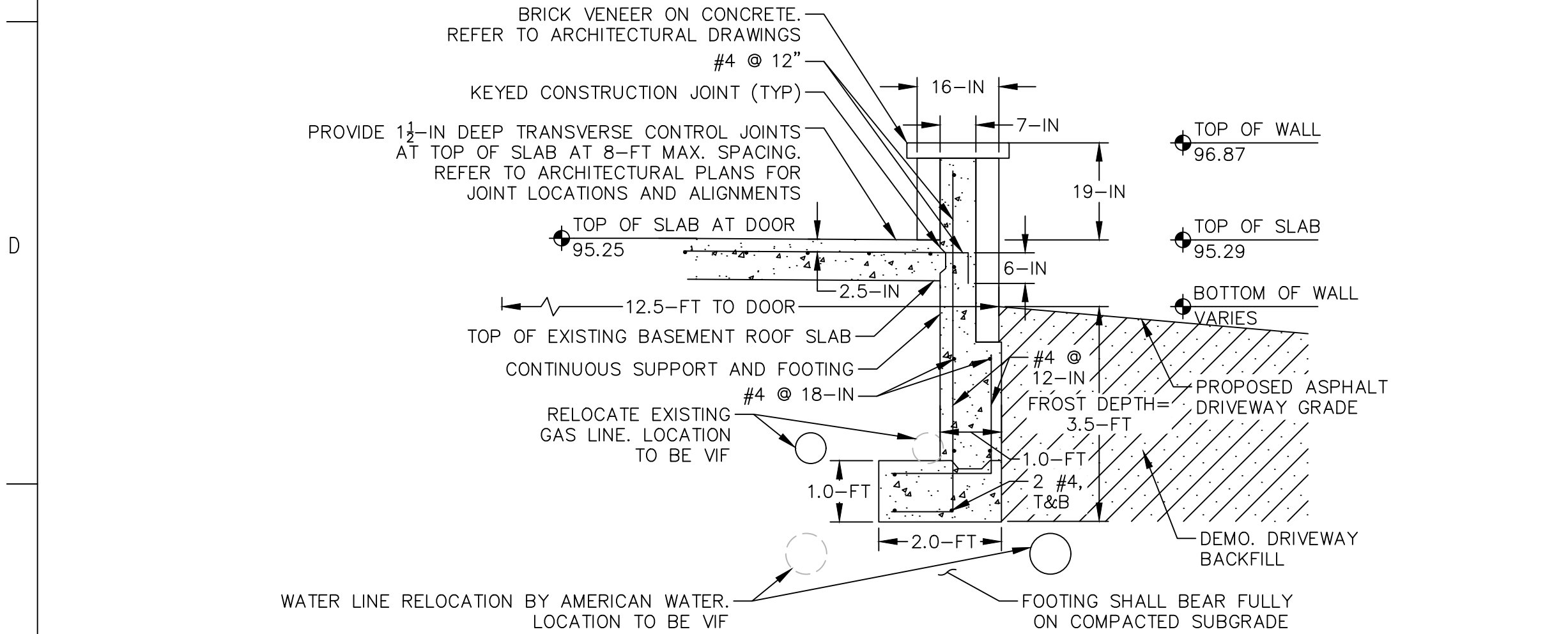
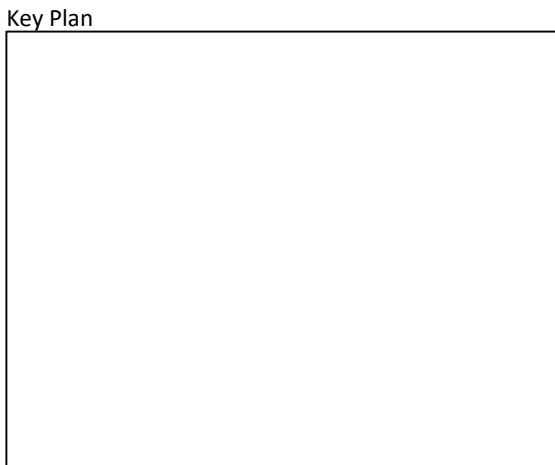
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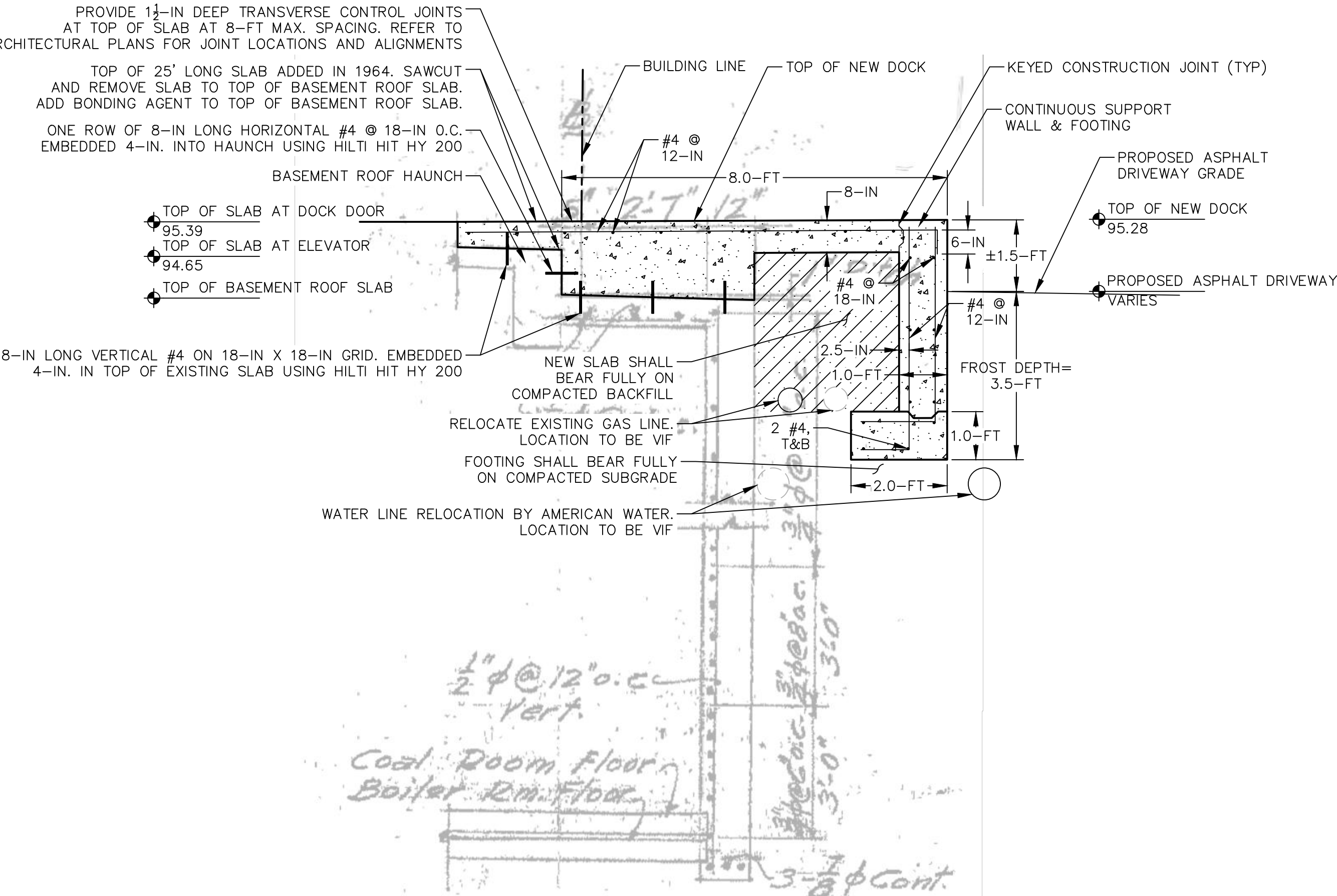
Issue	Issued For	Date
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0	Bid and Permit	07-06-2022

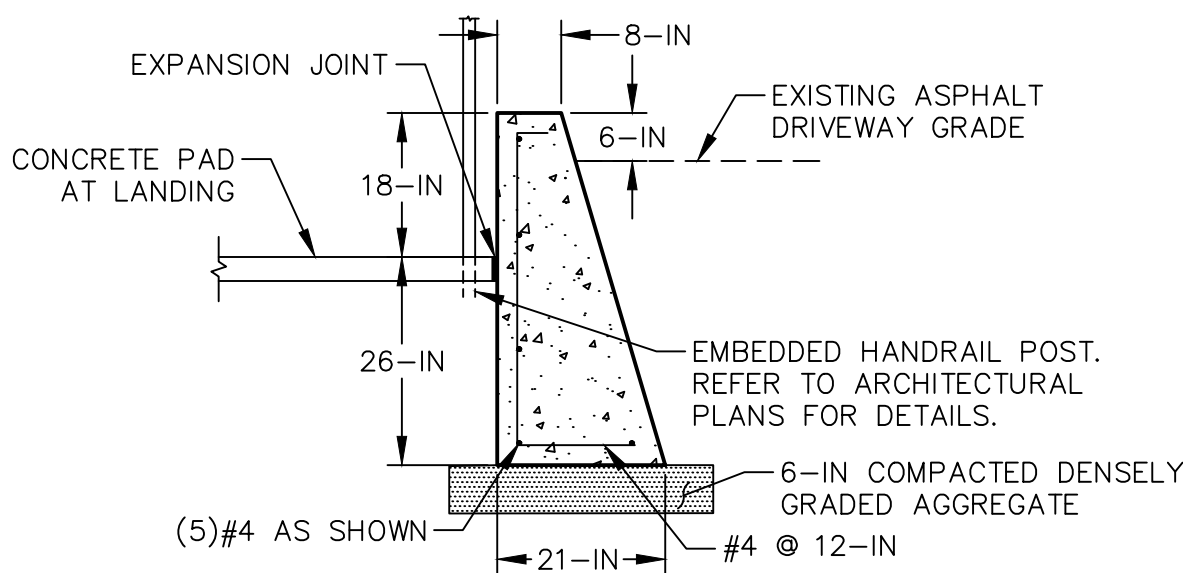
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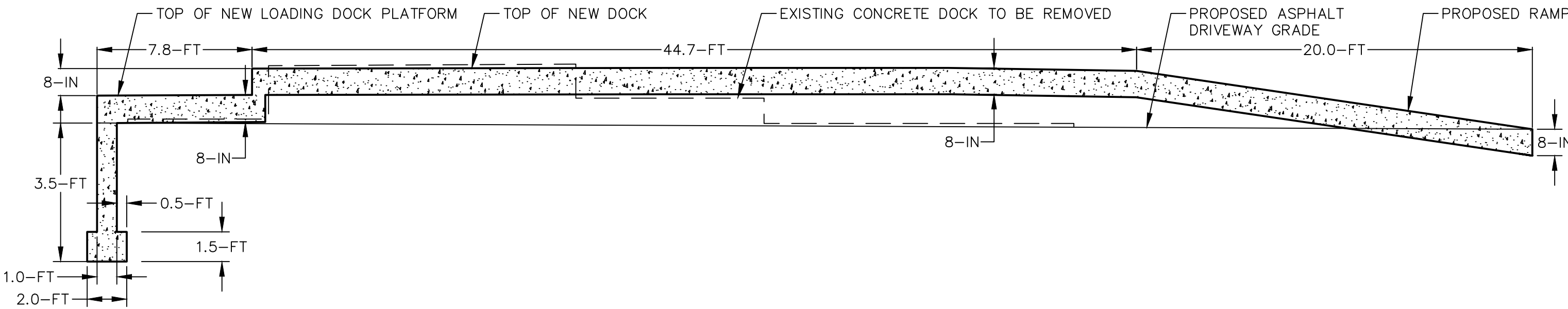
SECTION A - ENTRY LOOKING SOUTH
SCALE: 1" = 2'



SECTION B - LOADING DOCK DOOR LOOKING SOUTH
SCALE: 1" = 2'



SECTION C - HIGH CURB LOOKING SOUTH
SCALE: 1" = 2'



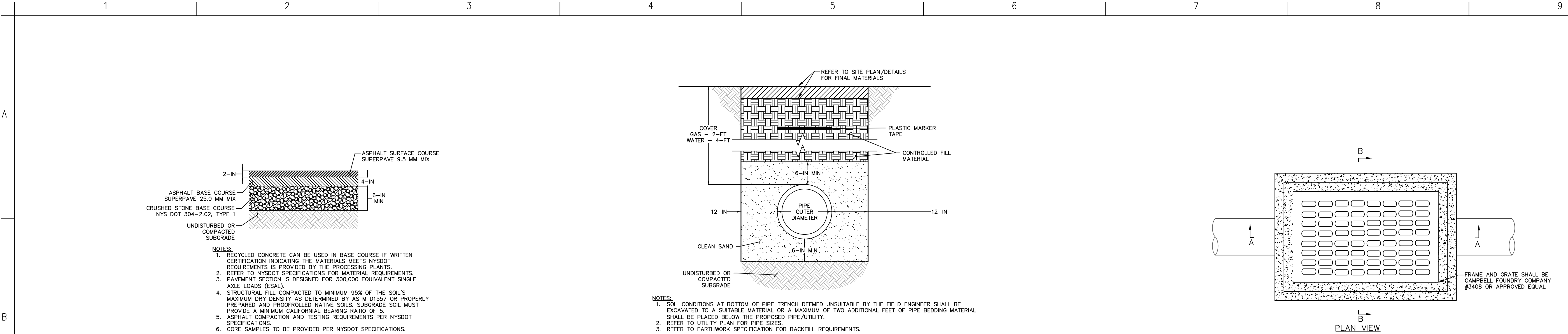
SECTION D - CENTER OF STAIRS LOOKING EAST
SCALE: 1" = 5'

**EGNER HALL
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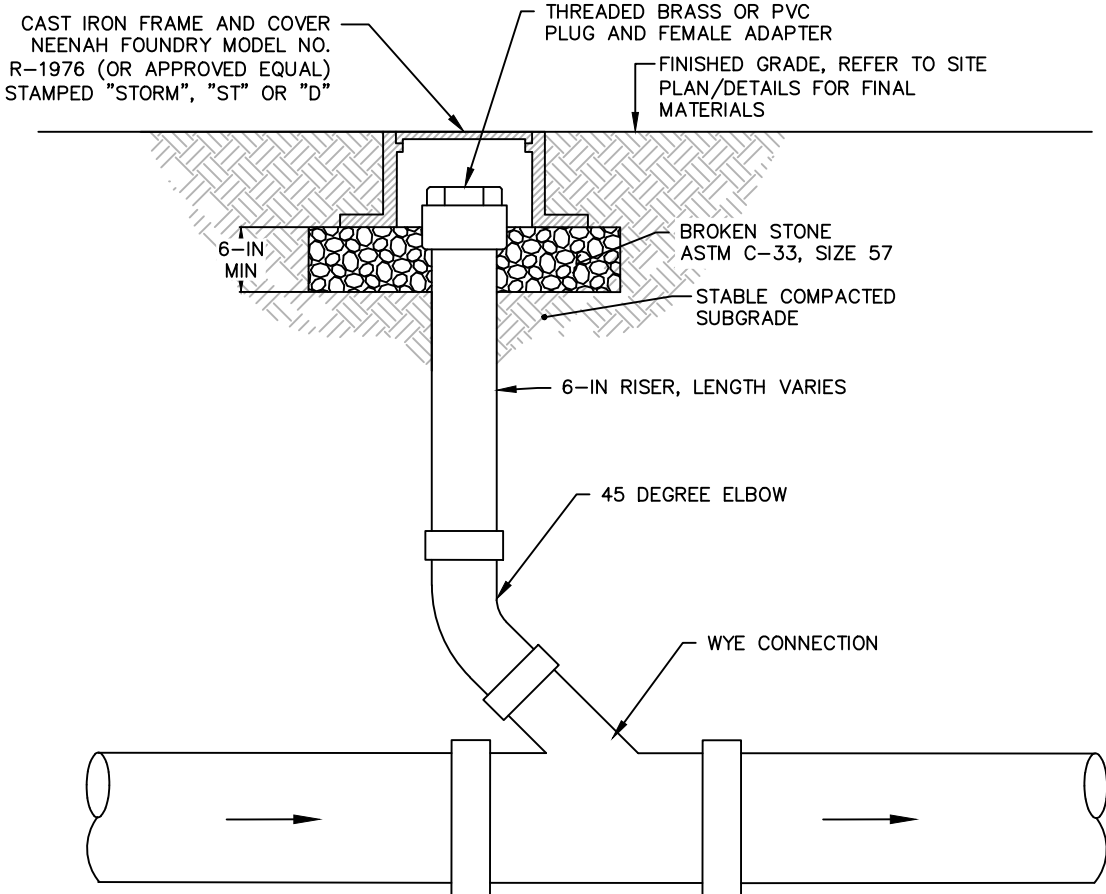
Drawing Title:
Loading Dock Plan

C 3 0 1

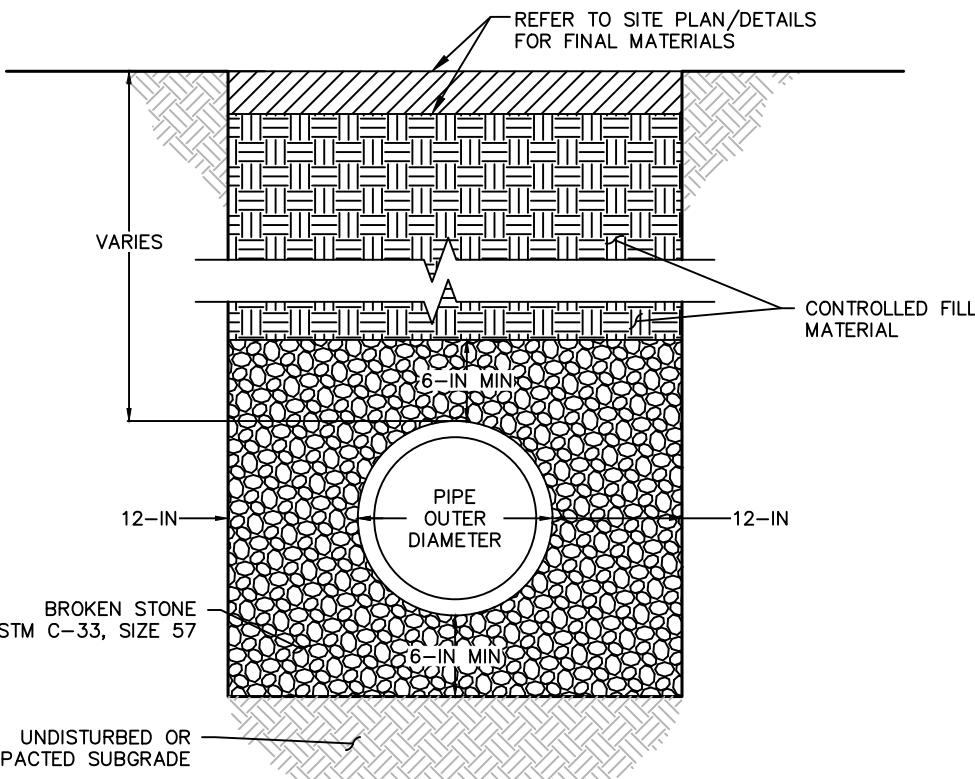


HEAVY DUTY ASPHALT PAVEMENT
NOT TO SCALE

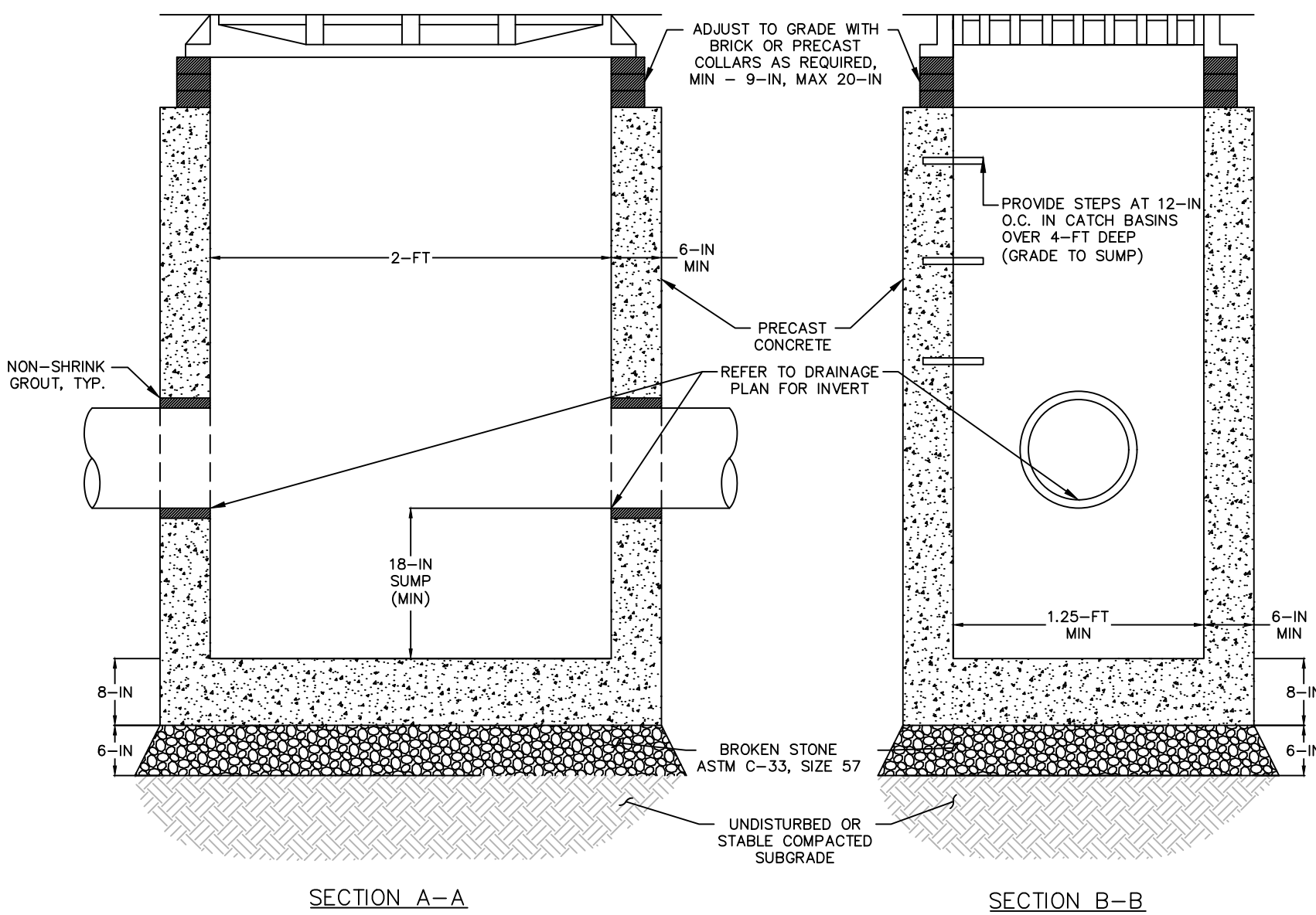
GAS AND WATER MAIN TRENCH
NOT TO SCALE



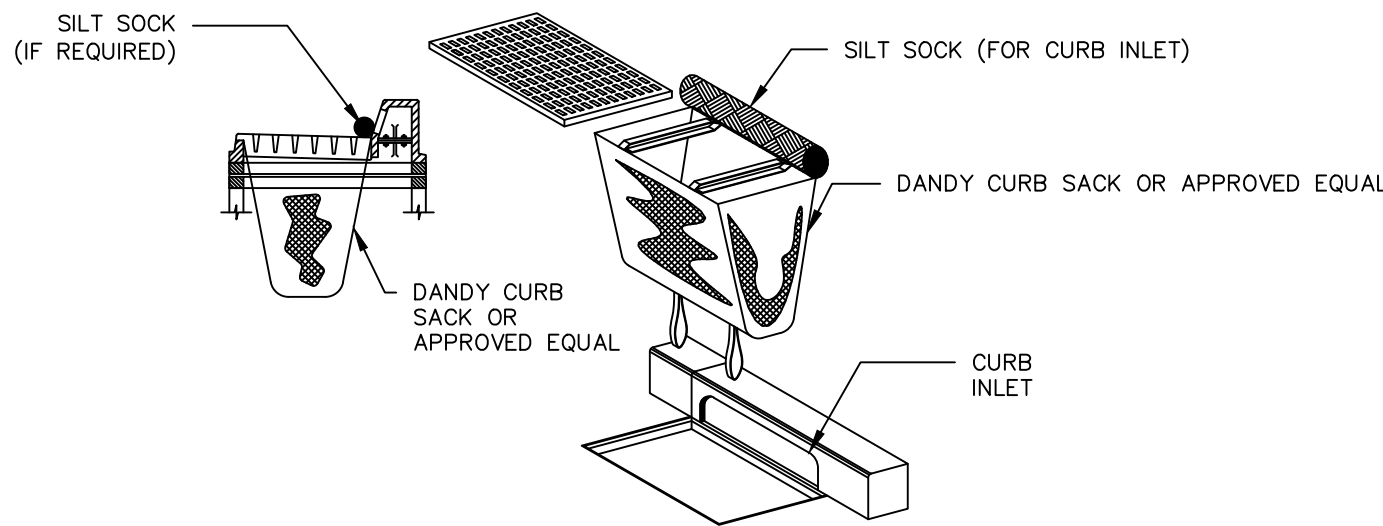
CLEANOUT
NOT TO SCALE



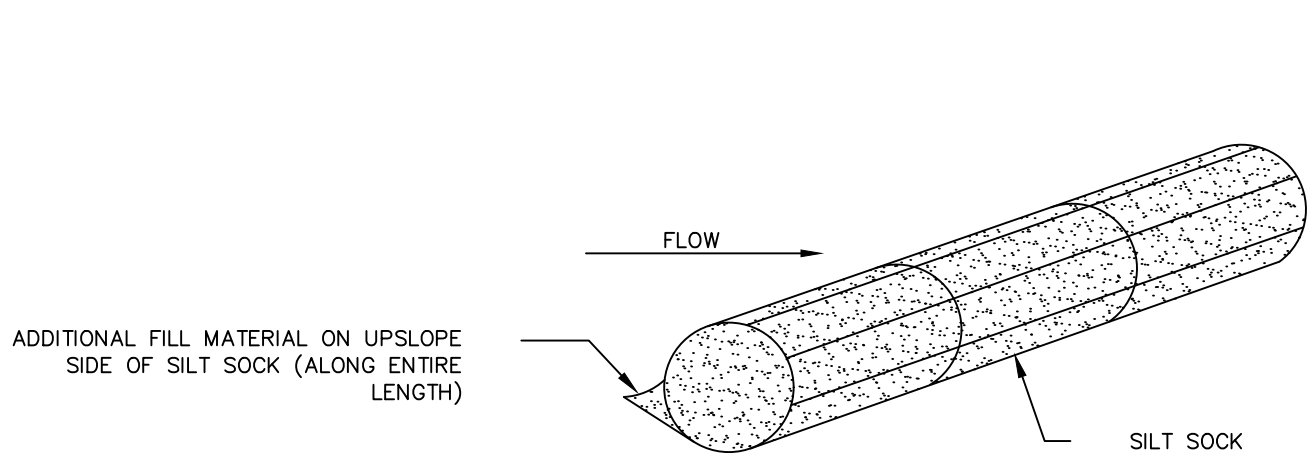
STORM PIPE TRENCH
NOT TO SCALE



CATCH BASIN
NOT TO SCALE



INLET PROTECTION
NOT TO SCALE



SILT SOCK
NOT TO SCALE

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Key Plan

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BUILDING 685
U.S. MILITARY ACADEMY
West Point, New York

Project No.: 11300
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Civil Details

C501